WHAT IS CLAIMED IS:

1. A coordinate detecting method for a touch panel, comprising the steps of:

(a) converting a plurality of X-axis I/O ports and a plurality of Y-axis I/O ports respectively to form a plurality of X-axis scanning wires and a plurality of Y-axis canning wires of the touch panel by an orthogonal method;

(b) transmitting polling signals to the X-axis I/O ports in sequence, which are then transmitted to the X-axis scanning wires;

(c) storing a plurality of X-axis detection signals from a sensor touching the touch panel according to the polling signals;

(d) determining a largest X-axis detection signal and a second largest X-axis detection signal, then determining an X coordinate position of the sensor on the touch panel;

(e) transmitting polling signals to the Y-axis I/O ports in sequence, which are then transmitted to the Y-axis scanning wires;

(f) storing a plurality of Y-axis detection signals from the sensor touching the touch panel according to the polling signals; and

(g) determining a largest Y-axis detection signal and a second largest Y-axis detection signal, then determining a Y coordinate position of the sensor on the touch panel.

2. The coordinate detecting method according to Claim 1, wherein the number of X-axis I/O ports or the number of Y-axis I/O ports is an odd number N, and the maximum number of the X-axis scanning wires or the maximum number of the Y-axis scanning wires is C(N,2)+1.

3. The coordinate detecting method according to Claim 1,

wherein the number of X-axis I/O ports or the number of Y-axis I/O ports is an even number N, and the maximum number of the X-axis scanning wires or the maximum number of the Y-axis scanning wires is C(N,2)-N/2+2.

4. A coordinate detecting system for a touch panel comprising:

a converting means for converting a plurality of X-axis I/O ports and a plurality of Y-axis I/O ports respectively to form a plurality of X-axis scanning wires and a plurality of Y-axis canning wires of the touch panel by orthogonal method;

a control means for transmitting polling signals to the X-axis I/O ports and the Y-axis I/O ports in order, the X-axis scanning wires and the Y-axis scanning wires having the responding polling signals;

a sensor for detecting a plurality of X-axis detection signals and a plurality of Y-axis detection signals according to the polling signals;

a database for storing the X-axis detection signals and the Y-axis detection signals from the sensor; and

an arithmetic means for determining a largest X-axis detection signal, a second largest X-axis detection signal, and determining a largest Y-axis detection signal and a second largest value Y-axis detection signal, then determining an X coordinate position and a Y coordinate position of the sensor on the touch panel.

5. The coordinate detecting system according to Claim 4, wherein the number of X-axis I/O ports or the number of Y-axis I/O ports is an odd number N, and the maximum number of the X-axis scanning wires or the maximum number of the Y-axis scanning wires is C(N,2)+1.

6. The coordinate detecting system according to Claim 4, wherein the number of X-axis I/O ports or the number of Y-axis I/O ports

is an even number N, and the maximum number of the X-axis scanning wires or the maximum number of the Y-axis scanning wires is C(N,2)-N/2+2.

7. The coordinate detecting system according to Claim 4, wherein the sensor comprises an antenna and a demodulation circuit, the antenna being used to detect the X-axis detection signals and the Y-axis detection signals, and the demodulation circuit being used to demodulate the X-axis detection signals and the Y-axis detection signals, and to transmit the X-axis detection signals and the Y-axis detection signals to the database.

8. The coordinate detecting system according to Claim 7, wherein the sensor further comprises a shielding housing for covering the demodulation circuit to isolate the external noise.